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Z/038/61/000/004/002/005

Thermal cycle of nuclear power stations ...

D238/D305

the condenser is 0.05 atm above atmospheric; thermodynamic efficiency of the turbine at the expansion of superheated steam is 85%, and in the turbine stages operating with wet steam it is considered to be 1% lower for each moisture percent; power for the feeder pump is deducted from the effective turbine output; specific heat of the gas is constant and so is the quantity of the circulating gas; it is assumed that with a temperature decrease of the gas by 1°C, heat equal to 1MW has been transferred; thermal efficiency is derived from the output on the turbine-shaft coupling neglecting heat losses in the reactor, boiler, piping, reheat and superheater. The calculation was made for outlet-gas temperatures  $t_1=400$ , 450, and 500°C, and steam pressures systematically graduated within the range of 45-240 atm for high pressure steam, and 10-30 atm for intermediate-pressure steam. Feed-water temperature was varied within the range of 32-220°C. In all cases, a temperature of 565°C of the high-pressure steam, and of 535°C of the reheated and intermediate pressure steam was considered. The technical and economical evaluation showed the following results: (1) The use of two fuel types substantially increases both the output and thermal efficiency of the power station, even though the thermal efficiency is still below that of a fossil-fuel-fired power station. However, when considering the thermal efficiency of the nuclear-heated

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and fossil-fuel-heated parts independently, it is seen that the efficiency of the fossil-fuel-heated part ranges from 46.5 to 48.5 %. The mean value of 47.5 % is very good especially since it is reached at comparatively low steam parameters (160 atm, 565°C with reheat to 535°C). A comparative, entirely fossil-fuel-fired steam cycle, calculated in the same way, has a thermal efficiency of 43.3 %. The additional fossil-fuel-fired superheating cycle has, therefore, a heat consumption 9% lower than a comparative conventional power station. (2) The capital cost of a power station with the combined cycles will probably be lower than that of separate nuclear and fossil-fuel-fired power stations. The size and number of equipment units required to complement a nuclear power station with the fossil-fuel-fired superheater will be smaller than would be required to build a separate fossil-fuel-fired power station. The combination has the additional advantage that large units can be used. The superheater and reheater present few design problems which can be mastered with existing production technologies. This analysis shows that the proposed combined thermal cycle is a practicable approach towards reducing nuclear power costs. It permits a substantial increase in thermal efficiency and unit outputs and a reduction in capital cost per kw generating

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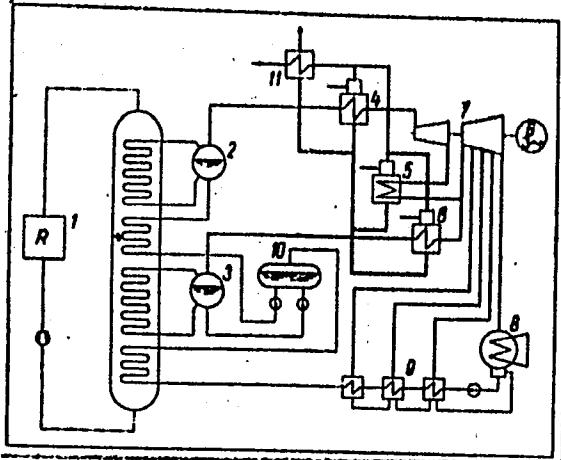
Thermal cycle of nuclear power stations ... D238/D305

capacity, using main equipment parts which already have been developed and/or are in the developmental stage. Appreciation is extended to Engineer J. Balcar. There are 11 figures and 3 Soviet-bloc references. (Technical editor: F. Klik) ✓

ASSOCIATION: Závody V.I. Lenina, n. p. , Plzeň (V.I. Lenin Works, National Enterprise, Plzeň)

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Thermal cycle of nuclear power stations ...



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Fig.1: Schematic diagram of a power station using both nuclear and fossil fuels.- Legend:  
 1- reactor; 2- high-pressure boiler; 3- intermediate-pressure boiler; 4- high-pressure steam superheater; 5- high-pressure steam reheater; 6- intermediate-pressure steam superheater; 7- steam turbine; 8- condenser; 9- regenerating heaters; 10- feed-water container; 11- air heater

Obr. 1. Schéma základní elektárny spalující jaderné i klasické palivo

1 - reaktor; 2 - vysokotlaký kotel; 3 - středotlaký kotel; 4 - přehřívák vysokotlaké páry; 5 - přehřívák vysokotlaké páry; 6 - přehřívák středotlaké páry; 7 - parní turbína; 8 - kondenzátor; 9 - regenerační ohříváky; 10 - napájecí nádrž; 11 - ohřívák vzdachu.

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S/058/62/000/008/068/134  
A061/A101

AUTHORS: Jůza, Jan, Kmoniček, Vladimír, Šifner, Oldřich

TITLE: Specific volume and equation of state of water in the range of 500 - 3,500 bars and 80 - 350°C

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 7, abstract 8D52 ("Acta techn." (CSSR), 1961, v. 6, no. 6, 553 - 572, English; summary in Russian)

TEXT: An experimental device for determining the specific volumes of liquids and gases in the range of 80 - 350°C and 500 - 3,500 bars is described. A preliminary testing has shown this device to permit measurements with the following limit errors: specific volume, 0.001 cm<sup>3</sup>/g, temperature, 0.2°C, and pressure 10 bars. Results of a specific water volume determination are presented. The experimental data obtained are compared with those of other authors. Divergences do not exceed the error limits mentioned above. An equation of state for water and steam is suggested in conclusion, and is confronted with experimental data of a number of authors. In the range investigated by the authors ✓

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Specific volume and equation of...

S/058/62/000/008/068/134  
A061/A101

the maximum difference between experimental and calculated volumetric data is 0.2%.

[Abstracter's note: Complete translation]

✓

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OSOLOSOBE, J., dr., inz.; HOMOLA, F., inz.; KUCERA, F., inz.; PAVLICEK, Z., inz.; KUBINEC, R., inz.; CABELKA, J., akademik; SIMERDA, L. inz.; JUZA, J., dr., inz.; KRAL, V., inz.; POSPISIL, J., inz.; DOLEZAL, R., prof., dr., inz.; ZEMAN, Vl., inz.; LIMPOUCH, B. inz.; SVAB, V., dr., inz.; LASKA, L., inz.; JAHODAR, V., inz.; KOHN, F., inz.

Development of power installations over a long period of time; summary of reports made at the 7th Conference of Power engineers in Bratislava, September 6-8, 1960. Energetika CZ 11 no.3: Suppl: Energetika 11 no.3:1-23 '61.

1. Chlen korespondent Ceskoslovenske akademie ved (for Osolsobe).

JUZA, Jan, inz., dr.

Examination of water vapor properties. Stroj cas 14 no.1:  
87-88 '63.

1. Glen korespondent Ceskoslovenske akademie ved.

JUZA, Jan, inz. dr.

Thermodynamic properties of water and steam in the critical point area. Stroj cas 14 no.5:441-466 '63.

1. Zavody V.I. Lenina, Plzen.

JUZA, Jan, inz. dr.; KMONICEK, Vladimir, inz. dr., CSc.;  
SCHOVANEC, Karel, inz.

Joule-Thomson coefficient of H<sub>2</sub>O and D<sub>2</sub>O in the range of  
1,2 - 1,8 bars and 130° - 190°C. Stroj cas 14 no. 5:467-483  
'63.

1. Zavody V.I. Lenina, Plzen (for Juza). 2. Ustav pro vyzkum  
stroju, Ceskoslovenska akademie ved, Praha (for Kmonicek and  
Schovanec).

JUZA, Jan dr. inz.

In commemoration of the 50th birthday of Jan Jeris,  
corresponding member of the Czechoslovak Academy of  
Sciences. Stroj cas 14 no.4:384 '63.

1. Clen korespondent Ceskoslovenske akademie ved.

PONTUCH, A.; KOSECKY, L. Technicka spolupraca JUZA, I.

Remarks on the clinical value of the rat test. Cesk. gynak.  
44 no.3:153-156 Ap'65.

I. I. gyn.-por. klinika Lekarske fakulty Univerzity Komenskeho  
v Bratislave (prednosta: prof. dr. S. Stefanik).

JUZA, N.

JUZA, N. A note on complete metric spaces. p. 143.

Vol. 6, No. 3, 1956.  
MATEMATICO-FYZIKALNY CASOPIS.  
SCIENCE  
Bratislava, Czechoslovakia

So: East European Accession, Vol. 6, No. 3, March 1957

JUZA, M.

Linear algebra and projective geometry; a report by Miloslav Juza delivered before  
the Prague Circle of Mathematicians on March 12, 1956. p. 473  
(Casopis Pro Pestovani Matematiky. Vol.81, no.4, Nov. 1956. Para, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no.6, June 1957. Uncl.

JUZA, Miloslav

Translation of or statements by the Epos Algol compiler.  
Stroj na zprac inf 9:99-105 '63.

1. Research Institute of Mathematical Machines, Prague.

JUZA, Miroslav

An algorithm for the translation of expressions. Strojna sprava  
inf 10:299-210 '64.

C. Research Institute of Mathematical Machines, Prague

JUZA, Miloslav

Monosystems of projective spaces whose asymptotic lines are straight. Chekhosl mat zhurnal 14 no.4:582-592 N '64.

1. Research Institute of Mathematical Machines, Prague 1,  
Loretanske namesti 3. Submitted on September 5, 1963.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5

JUZA, Miloslav (Cakov 131, Roztoky u Prahy)

Single parameter systems of surfaces in the space  $S_6$ .  
Mat fyz cas SAV 13 no.2:125-136 '63.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5"

JUZBASIC, D.M.

Surgery and its progress. Radovi Med. fak. Zagrebu Vol.3:169-181  
1954.

1. Kirurska klinika Medicinskog fakulteta u Zagrebu (predstojnik  
prof. dr. D.M.Jusbasic.  
(SURGERY, OPERATIVE  
progr.)

JUZBASIC, D. M.

Present status of esophageal surgery. Acta chir. iugosl. 4 no.1:  
1-18 1957.

1. Kirurska klinika Medicinskog fakulteta u Zagrebu. (Predstojnik:  
prof. dr. D. Juzbasic.  
(ESOPHAGUS, surg.  
modern aspects (Ser))

JUZBASIC, D. M. V.

Pectus excavatum, Acta chir. jugosl. 4 no.3:209-220 1957.

I. Kirurška klinika Medicinskog fakulteta u Zagrebu (Predstojnik:  
prof dr. D. Juzbasic)  
(THORAX, abnorm.  
funnel chest, surg. (Ser))

JUZBASIC, D.

Circulatory disorders in the portal area. Acta chir.iugosl. 7(8) no.1:  
1-20 '60.

1. Kirurska klinika Medicinskog fakulteta u Zagrebu (Predstojnik  
prof. dr. D.Juzbasic)  
(PORTAL VEINS dis)

YUGOSLAVIA

Dr Dimitrije DIZDASIC, Surgical Clinic of Medical Faculty (Klinika Medicinskog Fakulteta) Zagreb.

"Current Problems in Experimental Surgery."

Zagreb, Hrvatski Vjesnik, Vol 84, No 12, Dec 63; pp 1183-1193.

ABSTRACT [French summary modified]: Discussion of general trends and needs in surgical research and practice: statistics, animal and clinical experiments, liaison between research, education, and practice; PR and education of public; bringing up young scientists. No references.

JUZBASIC, D.; FRPIC, I.

Use of corium in modern surgery. Acta chir. Iugosl. 11  
no.1:1-18 O '64.

1. Kirurska klinika Medicinskog fakulteta u Zagrebu (Predstojnik  
prof. dr D. Juzbasic).

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5

YUZEFCHAK, STANISLAV [Juzefczak, Stanislaw)

By glider into the stratosphere. Kryl.rod. 12 no. 4:27 Ap '61.  
(MIRM 14:7)  
(Gliding and soaring)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5"

JUZEOFVA, F.I.

On the effectiveness of various methods in general and topical treatment of tuberculosis of the eye. Szemeszet 100 no.4:213-217 D '63.

1. A Kijevi Orvostovabbkepzo Intezet Szemklinikajabol (igazgato: F.I.Juzefova egyszemi tanar).

JUZENAS, J.

Application of plastic theory in calculating girders and frames.

P. 11. (TECHNIKOS ZODIS) (Chicago, issued by the American Lithuanian Association of Engineers and Architects) No. 6, Dec. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

JUZEWICZ, K.

POLAND/Pharmacology and Toxicology - Tranquillizers.

V-2

Abs Jour : Ref Zhar + Biol., No 14, 1953, 66217

Author : Chrusecial, T., Kleinroth, M., Chrusecial, H., Zdrojewski, J., Gachowksi, S., Juszkiewicz, R.

Inst :

Title : "Studies in the Field of Experimental Atherosclerosis. VI, The effect of Chlorpromazine on the Course of Experimental Atherosclerosis in Pigeons.

Orig Pub : Paweł polski, 1957, 8, No 4, 329-336.

Abstract : The administration of 2.3 and 5 mg/kg of chlorpromazine (I) with meals to pigeons with experimental atherosclerosis resulting from the addition of cholesterol (2.5%) with plant oil (5g/kg), to their rations, lowered the level of fatty acids and cholesterol in the blood serum. The duration and intensity of the effect of I was proportional to its dosage. Following the concurrent use of I with meals for 4 months, there were less pronounced increases in

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POLAND/Pharmacology and Toxicology - General Problems.

V-2

Abs Jour : Ref Zhar + Biol., No 14, 1953, 66217

and microscopic manifestations of atherosclerosis than in the pigeons which did not receive I.

JUZKOW, E.

- On a modification of the FEMO method in the case of benzophenone.  
Bul Ac Pol mat 8 no.11/12:799-801 '60.

1. Department of Theoretical Physics, Nicolas Copernicus University,  
Torun. Presented by A. Jablonski.

(Benzophenone) (Molecules)

Z/032/61/011/001/007/008  
E073 E335

AUTHOR: Jůzl, K.

TITLE: Electromagnetic Sorting of Hardened Components  
According to Hardness

PERIODICAL: Strojírenství, 1961, Vol. 11, No. 1,  
pp. 71 - 72

TEXT: AZNP Ml. Boleslav produced a prototype of a machine for sorting components at a speed of 1 500 per hour, which enables destruction-free 100% quality control, eliminating components the hardness of which is higher or lower than the specified limit. The instrument does not measure hardness but magnetic properties which are interrelated with the hardness. The method of measurement is not new and is well known from descriptions of instruments produced abroad. The function of the instrument is based on the remanent magnetism. The component drops through an insulated tube interrupting a light beam and thus actuating a time switch which switches-on a rectifier for about 1/3 sec. During that time, current flows through a magnetisation coil in the centre of which the

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Electromagnetic Sorting ... E073/E335

component under test is located. After the rectifier circuit is switched-off, the component passes consecutively through two metering coils, one of which controls the amplifier for excessively hard, the other one for excessively soft components. The desired sensitivity is adjusted by means of specimens on which the hardness was measured. One of these coils is set to switch-on only if the component has a hardness which is above the permissible limit; the other metering coil is adjusted to respond only if the components have a hardness above a certain limit. If a component is too soft, no amplifier will respond and it will drop through the middle tube of the equipment. The instrument is used for sorting ball pivots. So far, 5 500 of them have been sorted in this way and the results were checked by Brinell hardness tests. It is emphasised that this is a single-purpose device and for each combination of steel and desired hardness, an appropriate solution has to be worked out. This sorting device proved fully satisfactory. Fig. 1 shows a diagrammatic sketch of the operation of the automatic sorter.

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K073/E335

Electromagnetic Sorting ...

The legend in this figure is as follows:

- 1 - optical system with a photocell; 2 - relay of the photocell;
  - 3 - time switch; 4 - rectifier; 5 - magnetisation coil;
  - 6 - recording coil; 7 - amplifier for excessively hard components;
  - 8 - amplifier for soft components; 9 - actuating electromagnets.
- Fig. 2 shows a circuit diagram of the developed automatic sorting apparatus. There are 3 figures and 1 Czech reference.

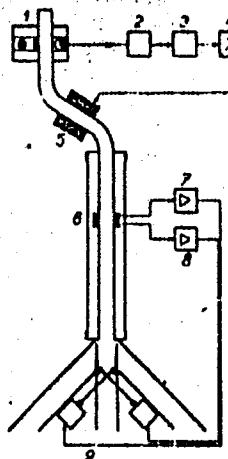
ASSOCIATION: AZNP, Mladá Boleslav

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Z/032/61/011/001/007/008  
E073/B335

Electromagnetic Sorting ....

Fig. 1:



Obr. 1. Schéma funkce  
automatického řídiče

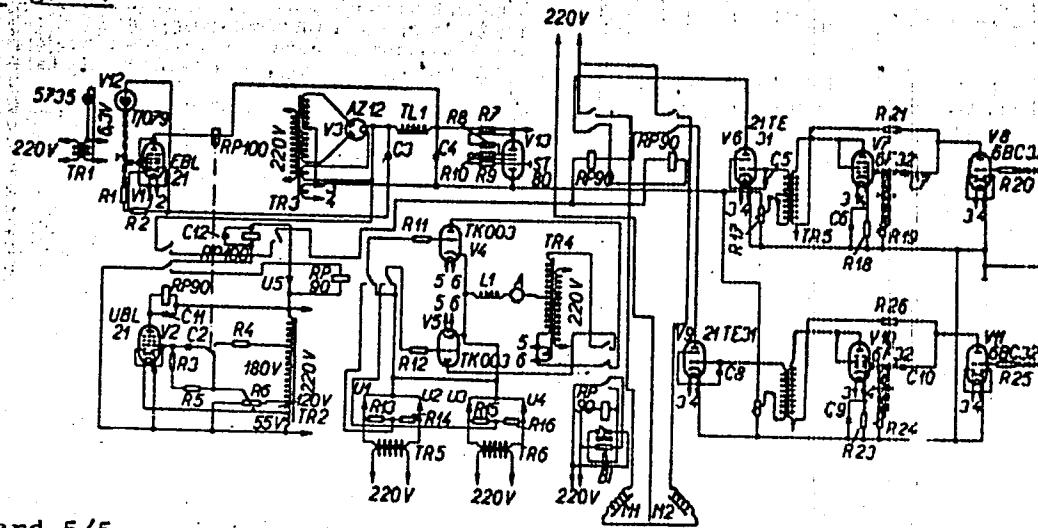
1 — optika s fotonkou; 2 — relé fotonky; 3 — čárový spínač; 4 — usměrňovač; 5 — magnetizační cívka; 6 — animaci cívky; 7 — zesilovač na tvrdé součásti; 8 — zesilovač na měkké součásti; 9 — ovládací elektromagnety

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Z/032/61/011/001/007/008  
E073/E335

Electromagnetic Sorting ....

Fig. 2:



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Obr. 2. Zapojení automatického řidíče

JUZA, M.

Juza, Miloslav. Remark on complete metric spaces,  
Mat.-Fyz. Casopis. Slovensk. Akad. Vied 6 (1956), 143-148.  
(Slovak, Russian summary)

The real line (with its usual uniformity) is metrized in  
such a way that there exists a decreasing sequence of  
closed spheres with a void intersection.

M. Kallior (Prague)

SW

1/1

JUZNIC, Gojmir

On ballistocardiography. Zdrav. vestn. 33 no.6:143-152 '64

l. Fiziolski institut medicinske fakultete v Ljubljani (Predstojnik: prof. dr. A. Seliskar).

JUZNIC, Gojmir

Current aspects of the action of nitroglycerin and nicotine  
on the heart and blood circulation. Zdrav. vestn. 34 no.7/8:  
169-175 '65.

1. Fiziolski institut medicinske fakultete v Ljubljani  
(predstojnik: prof. dr. A. Seliskar).

BERVAR, Marjan, sanit.puk.dr.; JUZNIC, Marjan, sanit.puk.dr.; MATIC,  
Vojislav, sanit.kapetan dr.

Jejunal leiomyoma -- a cause of recurrent invagination with  
severe enterorrhagia.

1. Vojnomedicinska akademija u Beogradu, klinika za hirurške  
bolesti.

MILANOVIC,Dimitrije,sanitetski pukovnik doc. d-r; FAJSELJ,Ivan,sanitetski  
potpukovnik d-r; JUZNIC,Marjan,sanitetski pukovnik

Thoracic and thoraco-abdominal injuries. Voj.san.pregl.,Beogr.  
17 no.4:376-380 Ap '60.

1. Klinika za hirurške bolesti.  
(THORAX vds.)  
(ABDOMEN vds. & inj.)

JUZMIC, M.

On a case of gastric tetany. Acta chir. Jugosl. 8 no. 4:378-388 '61.

1. Hirurska klinika Vojnomedicinske akademije u Beogradu (Nacelnik  
gen. prof. dr Isidor Papo).

(TETANY etiol) (PYLORIC STENOSIS compl)

JUZNIC, M.; VUJISIC, D.; JASOVIC, M.

The role of catheterization and angiography in the diagnosis of congenital heart defects. Acta chir. Jugosl. 9/ho.1:1-16.'61.

1. Hirurska klinika Vojnomedicinske akademije u Beogradu (Nacelnik gen. prof. dr I. Papo).

(ANGIOCARDIOGRAPHY) (HEART CATHETERIZATION)  
(HEART DEFECTS CONGENITAL diag)

JUZNIC, M.; BRANKOVAN, K.

Cystic tumor of the anterior mediastinum. Acta chir. Jugosl. 9 no.2:  
174-178 '62.

1. Hirurska klinika Vojnomedicinske akademije u Beogradu (Nacelnik  
gen. prof. dr I. Papo).  
(MEDIASTINUM neopl) (CYSTS case reports)

JUZNIC, Marijan, sanitetski pukovnik dr

Possible therapy of infected wounds in cases of delayed surgical aid.  
Vojnosanit. pregl. 19 no.6:438-445 Je '62.

1. Vojnomedicinska akademija u Beogradu, klinika za hiruriske bolesti.  
(WOUND INFECTION) (MILITARY MEDICINE)

5

JUZNIC, Marijan, sanitetski pukovnik dr.; BERVAR, Marijan, sanitetski potpukovnik  
dr

Primary urethral repair after open rupture. Vojnosanit. pregl. 19 no.12:  
855-858 D '62.

(URETHRA)

JUZNIC, Marjan, sanitetski pukovnik, dr.; BOGDANOV, Lea, sanitetski potpukovnik, dr.

Experimental studies on the effect of antibiotics on contaminated wound healing (experiences with Extencillin). Vojnosanit. pregl. 19 no.4:262-271 Ap '62.

1. Vojnomedicinska akademija u Beogradu.  
(PENICILLIN) (WOUND INFECTION)  
(WOUND HEALING)

S

JUZNIC, M.

The problem of postoperative anuria. (A case of anuria  
following surgery of ileus). Acta chir. Iugosl. 10 no.1:  
79-87 '63.

1. Hirurska klinika Vojno-medicinske akademije u Beogradu  
(Nacelnik gen. prof. dr I. Papo).  
(INTESTINAL OBSTRUCTION) (ANURIA)  
(POSTOPERATIVE COMPLICATIONS)

JUZNIC, M.; REBERNISAK, V.; DITRIH, Z.

Circulatory arrest in deep hypothermia with extracorporeal cooling and autogenous oxygenation. Acta chir. Jugosl. 10 no.2:112-124 '63.

1. Hirурске klinika Vojno-medicinske akademije u Beogradu  
(Nacelnik gen. prof. dr I. Papo).  
(HEART, MECHANICAL)  
(HEART ARREST, INDUCED)  
(HYPOTHERMIA, INDUCED)

S

JUZNIC, Marijan, sanitetski pukovnik, dr.

Metabolic disorders following severe injury, their diagnosis  
and therapy. Vojnosanit. pregl. 20 no.4:225-232 Ap '63.

1. Vojnomedicinska akademija u Beogradu, Klinika sa hirurske  
bolesti.

(METABOLIC DISEASES) (WOUNDS AND INJURIES)  
(DIAGNOSIS) (THERAPEUTICS)

S

JUZNIC, Marijan, sanitetski pukownik, dr.

Current views on the pathophysiology of wound healing.  
Vojnosanit. pregl. 20 no.5:293-300 My '63.

(WOUND HEALING) (PATHOLOGY) (PHYSIOLOGY)

S

JUZNIC, M., sanitetske pukovnik dr.; BRRVAN, K., avitolski potpukovnik dr.

Multiple injuries of the ascending colon following several stab-wounds of the abdomen. Vojnogant Pregl. 20 no.11:719-722 N '63.

JUZNIC, Marijan, sanitetski pukovnik dr.; BOGDANOV, Lea, sanitetski  
potpukovnik doc. dr.

Experimental studies on the effect of antibiotics on the  
healing of contaminated wounds. (II. Experience with  
terramycin). Vojnosanit Pregl. 21 no.2:79-87 F '64.

1. Vojnomedicinska akademija u Beogradu, Hirurska klinika,  
Institut za eksperimentalnu medicinu, Institut za mikrobiologiju.

JUZNIC, Marijan, dr.

The problem of healing of war wounds. Vojnosanit Pregl.  
20 no.11:727-730 N '63.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5

JUZNIC, Marijan, sanitetski pukovnik, dr.

A case of thoracic gunshot injury of the lung. Vojnosanit. pregl.  
22 no. 28104-105 F'65.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5"

JUZNIC, Marijan, sanitetski pukovnik dr.

Current views on the use of antibiotics in surgery. Vojnosanit.  
pregl. 22 no.5:309-313 My '65.

JUZMIC, Marjan, sanitetski pukownik dr.

Use of antibiotics in various fields of surgery. Vojnosanit.  
pregl. 22 no.7/8:468-473 Jl-Ag '65.

JUZNIC, Marjan, sanitetski pukovnik dr.; RADOJICIC, Bozidar, sanitetski pukovnik profesor dr.; DOKOVIC, V.; BOGDANOV, Lea, sanitetski potpukovnik dr.

Effect of total body x-ray irradiation on the healing of superfizial wounds. Vojnosanit. pregl. 22 no.11:683-686 N '65.

BERVAR, Marijan, sanitetski pukovnik docent dr.; JUZNIĆ, Marijan, sanitetski pukovnik dr.; BOJANIC, Nikola, sanitetski potpukovnik dr.; MITHOVIC, Dragoslav, sanitetski kapetan dr.

Current treatment of acute pancreatitis. Vojnosanit. pregl. 23 no.1: 29-33 Ja '66.

1. Vojnomedicinska akademija u Beogradu; Klinika za hirurske bolesti.

Immunology

HUNGARY

KAVAI, Maria, JUSZUPOVA, Szaodat, CSABA, Bela; Medical University of Debrecen, Institute of Pathophysiology (Debreceni Orvostudomanyi Egyetem, Kortextani Intezet).

"Isolation of Antibodies by Gel Filtration."

Budapest, Kiserletes Orvostudomany, Vol XIX, No 1, Jan 67, pages 61-66.

Abstract: [Authors' Hungarian summary] A method has been worked out for the preparation of antiovalbumin-rabbit-antibody. The quantitatively precipitated ovalbumin-antiovalbumin complex was dissociated in 1 N acetic acid, followed by filtration through Sephadex G-200 gel. On the basis of ultracentrifugal measurements and immune electrophoretic study, the antibody isolated in this manner was found to be a gamma G with a 6.4 S sedimentation value. Its readiness to precipitate with ovalbumin was almost 100 per cent retained. In anaphylactic shock, it was found to be 4 times more effective than the immune serum. By the method reported, 66-80 per cent of the antibody content of the immune serum could be isolated in pure form. 3 Hungarian, 14 Western references. [Manuscript received 22 Feb 66.]

MIRKOVIC, Aleksandr; JUZNIC, Nevenka; PETRONIJEVIC, Aleksandr

A vaginal foreign body in a preschool child. Report of a case. Srpski arh. celok. lek. 92 no.7:783-787 Jl-Ag '64.

Suppurative tumors of the rectovaginal region. Ibid. 789-791

1. Ginekolosko-akuserska klinika Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Bosiljka Milosevic).

JUZNIC, N.

YUGOSLAVIA

Franja BOJC and Nevenka JUZNIC, Obstetric-Gynecologic Clinic  
(Ginekolosko-akuserska klinika), Head Prof Dr Bosiljka MILOSEVIC,  
Medical Faculty of University of Belgrade.

"Conglutination of the External Orifice of the Uterus."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 1, Jan 63;  
pp 87-89.

Abstract [French summary modified]: Case report of 2 primiparae, both  
aged 26; stressing dangers of missing the diagnosis with rupture of  
the lower segment of the uterus. Remedy is easy with digitally started  
dilatation of the punctiform cervical orifice once identified. Three  
Western and 1 Yugoslav reference.

1/1

MILOSEVIC, Bosiljka, prof. dr.; DODER, Marta, dr.; JUZNIC, N., dr.

Psycho-physical preparation in labor and our experiences.  
Med.Glas.17 no.11/12:464-467 N-D '63.

1. Ginekoloska-akuserska klinika Medicinskog fakulteta u  
Beogradu (Upravnik: prof. dr. B. Milosevic).

JUZOVA, Anna

Euclid invariants of monosystems. Cas pro pes mat 88 no.1:1-13  
'63.

1. Ustav tepelne techniky, Roztoky u Prahy, Cakov 131.

JUZWA, Eugeniusz; (Krakow)

Characteristics of behavior of the cerebrospinal fluid in polio-myelitis with special reference to Kubicz test. Przegl. lek. Krakow 11 no.5:141-148 '55.

1. Z Kliniki Chorob Dzieci A.M. w Krakowie Kierownik: prof. dr med. Wl. Bujak, Z Wojew. Szpitala Specjal w Krakowie Dyrektor: Dr. med. A. Swierszczewska.

(POLIOMYELITIS, cerebrospinal fluid in  
Kubicz test)

(CEREBROSPINAL FLUID, in various diseases  
Kubicz test)

JUZWA, E.  
EXCERPTA MEDICA Sec.S Vol.10/10 Neurology, e tc., Oct57

4477. JUZWA E. Wojewódzkiego Szpitala Specjalistycznego, Kraków. \* Przebieg choroby Heinego-Medina u chorych leczonych w Krakowie w roku 1955. Incidence and course of poliomyelitis in Cracow in 1955  
PRZEGŁ. LEK. 1957, 13/4 (99-105) Tables 6

An increase of poliomyelitis was observed in 1955. 444 patients were treated in the District Epidemic Hospital. The largest group consisted of children up to 7 yr.: 366 cases (82.44%). Boys predominated (56.98%). In this epidemic the first groups of muscles were affected earlier than in former years (mostly on the 2nd-4th day), but the progress of the paralysis was much slower. New muscle groups became involved as late as the 29th to 46th day. There were 355 (81.09%) paralytic cases. The spinal form was the most frequent: 283 cases (80.17%). Paralysis of the respiratory muscles was observed in 117 cases (33.14%); 5 cases had asymmetric paralysis of the respiratory muscles; 43 cases were treated in an iron lung; in 2 cases the sphincter ani was paralysed. In 70 cases cerebral nerves were affected; in 16 cases a bulbar form was observed, including 10 with associated paralysis of the respiratory muscles. In this group 5 cases were treated in an iron lung, 1 died. The facial nerve was involved bilaterally in 4 cases and unilaterally in 30. Death occurred in 4.27% of cases. After 2 months' treatment 33.20% of patients recovered completely, 21.60% left the hospital with slightly weakened muscles, 15.20% with greater disability and 30% with only slight improvement or none. This epidemic was one of the most severe in Cracow.

Mikułowski - Cracow (XX, 17)

JUZIA, Eugeniusz  
SURNAME, Given Names

Country: Poland

(3)

Academic Degrees: Dr Med

Affiliation: Neuroinfection Ward of the Municipal Specialist Hospital (Oddzial Neuroinfekcji, Miejski Szpital Specjalistyczny), Krakow; Resident Physician (Ordynator): Dr Med E Juzwa; Hospital Director (Dyrektor Szpitala): Dr Med H Brajer

Source: Krakow, Przeglad Lekarski, Vol XVII, Ser II, No 10, 1961,  
pp 363-366

Data: "Reactions and Complications Observed After Poliomyelitis  
Vaccination with Koprowski's Vaccine Using Live Attenuated  
Virus."

GPO 981643

JUZWA, Elzbieta

The method of gymnastics after Macary in the treatment of  
bite defects. Czas. stomat. 18 no. 5:511-515 My'65.

1. Z Kliniki Ortodoncji Akademii Medycznej w Warszawie  
(Kierownik: prof. dr. A. Orlik-Grzybowska).

PRZYBYLKIEWICZ, Zdzislaw; BORYSIEWICZ, Janusz; BRANNY, Jerzy; GEORGIADIS, Jerzy; JUZWA, Eugeniusz; CHMURA, Urszula.

Studies on the etiology of viral diseases of the central nervous system. I. The rôle of polio, adeno, influenza and mottl viruses in neuroinfections. Przegl. epidem. 19 no.3:351-357 '65

1. Z Zakladu Mikrobiologii Lekarskiej AM w Krakowie (Kierownik: prof. dr. Z. Przybylkiewicz) i z Miejskiego Szpitala Specjalistycznego im. dr. Anki w Krakowie, (Dyrektor: dr. H. Brajer).

JUZWA, Jozefa

Eye symptoms during inflammation of maxillary bone in infants.  
Klin. oczna 27 no.2:163-168 1957.

1. Z Kliniki Chorob Oczu A.M. w Krakowic. Kierownik: prof. dr.  
M. Wilcsek. Krakow, ul. Swietokrzyska 6 m. 6.

(MAXILLA, dis.

with eye sympt. in inf. (Pol))

(EYE, in various dis.

maxillary inflamm. in inf. (Pol))

*J42 wa*  
EXCERPTA MEDICA Sec 12 Vol 13/4 Ophthalmology Apr 59

610. XEROPHTHALMIA AND KERATOMALACIA WITH A DECREASE OF CORNEAL SENSITIVITY IN INFANTS - Spostrzeżenia nad przypadkami zeszchnięcia spojówki i rogówki, połączonymi z rozpadem rogówki i obniżeniem czucia rogówkowego u niemowląt - Juzwa J. Klin. Chor. Oczu A. M., Kraków - KLIN. OCZNA 1958, 28/2 (129-138)

The above-mentioned phenomena were observed among 17 babies aged 2 to 7 months. In spite of vit. A and other treatment, no improvement was observed which leads to the conclusion that other causes play a role too. The author suggests that the simultaneous diarrhoea of infective origin was caused by the common factor which injures the endings of the trigeminal fibres in the eye. References: 17.

Sznyt - Warsaw

JUZWA, Stefan

Separation and purification of fluoresce. Koks 7 no.3:110-117 My-Je  
'62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

JURKIEWICZ, Jan; JUZWA, Stefan

Some problems connected with the quantitative determination of  
anthracene. Koks 7 no.4:143-149 Jl-Ag '62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

JUZWA, Stefan

The proper hydrocarbon system and its use in practice. Koks 8  
no.5:171-177 S-0 '63.

1. Instytut Chemicznej Przerobki Węgla, Gliwice.

JUZWA, Wieslaw, inz.

An antiexplosive contact manometer. Pomiary 8 no.5:250  
Maj '62.

PYTASZ, Marian; GOSK, Adam; JUZWA, Witold; CIELSTOWSKA, Grazyna

Effect of neurohormones on the blood circulation in the kidneys and in other vascular areas. Acta physiol. pol. 14 no.1:55-63 '63.

1. Z Zakladu Fizjologii AM we Wroclawiu Kierownik: prof.  
dr A. Klisiecki.

(EPINEPHRINE) (NOREPINEPHRINE)  
(ACETYLCHOLINE) (PHARMACOLOGY)  
(BLOOD FLOW VELOCITY) (RENAL ARTERY)

GOSK, Adam; PARADOWSKI, Andrzej; JUJWA, Witold

Role of the spleen as a reserve blood depot. Acta physiol. Pol.  
15 no.2:149-163 Mr-Ap '64.

1. Z Zakladu Fizjologii Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr A. Klisiecki).

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5

GOSK, Adam; PARALSKA-KI, Andrzej; SŁOWIŃSKI, Witold

Effect of acetylcholine and adrenalin on the intestinal blood flow. Acta physiol. Pol. 1975, 3:327-333. Wydawn. Ucz.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5"

JUZWA, Witold; ZALEWSKA-JUZWA, Alicja

Use of Klisiecki's gazometric method in the study of the catalase activity. Acta physiol. Pol. 15 no.4: 593-600 J1-Ag '64

l. Z Zakladu Fizjologii Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr. A. Klisiecki).

PYTASZ, Marian; JUHA, Witold; WASKOWA, Renata

Effect of age and sex on renal function in children. Pediat.  
Pol. 39 no.5:51-527 My '64.

1. Z Zakladu Fizjologii Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr. A. Klisiecki) i z Kliniki Pediatricznej  
Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. H.  
Hirschfeldowa [deceased]).

PARADOWSKI, Andrzej; JUZWA, Witold; GOSK, Adam

Relation of the effect of urea on the frog heart to the electrolyte level in the medium. Acta physiol. Pol. 15 no. 5:613-621  
S-0 '64

1. Z Zakladu Fizjologii Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr. A. Klisiecki).

BULA, Boleslaw; GOSK, Adam; PARADOWSKI, Andrzej; JUZWA, Witold.

Flow of the blood in the internal carotid artery during postural changes of the body. Acta physiol. Pol. 16 no. 2:165-167  
Mr-Mp'65.

1. Zaklad Fizjologii Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. A. Klisiecki).

to the age of workers. This danger is lowest with granite dust and greatest with dolomite dust.

Contains 10 Tables and 59 references (26 Polish, 19 Western, 4 Russian, 1 Czechoslovak and 9 German-language). Received December 1965

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619720010-5"  
1/1

KLECZYNSKI, A., JUZWIAK, I., LUBCZYNSKA-KOWALSKA, W., and SIENICKI, W., Internal Diseases Clinic, School of Medicine (I Klinika Chorob Wewnętrznych AM), Wrocław. Prof. Dr. A. Kleczynski, Head; Department of Hygiene, School of Medicine (Katedra Higieny AM), Wrocław. Dr. S. Przylecki, Acting Head.

"Investigation of the Role of Molds in Allergenic Respiratory Tract Diseases in Textile Workers"

Wrocław, Postępy Higieny i Medycyny Doswiadczonej, Vol 20, No 2, 1966, pp 286-294.

Abstract: The article reports a study of the incidence of respiratory diseases in textile workers. Disease symptoms and the presence of various mold organisms in the individual textile plant departments are described. Preliminary investigations show a degree of coincidence between the incidence of allergenic and other symptoms in the respiratory tract and the amount of dust in the atmosphere as well as the mold flora content. Contains 9 Tables and 25 references (14 Polish, 10 Western and 1 German-language). Received May 1965.  
1/1

POLAND

JUZWIAKOWA, Jadwiga, Department of Hygiene (Zaklad Higieny),  
AM [Akademia Medyczna, Medical Academy] in Wroclaw (Direct-  
or: Dr. S. PRZYLECKI)

"Manganese in the Waters of the Wroclaw Wojewodztwo."

Warsaw, Postepy Higieny i Medycyny Doswiadczonej, Vol 17,  
No 3, 63, pp 351-354.

Abstract: Author reports details of the study of the man-  
ganese content of drinking water in the wojewodztwo of  
Wroclaw, points out the various harmful effects of an  
excess or shortage of this mineral, and points regret-  
fully to the lack of control of this situation in Poland.  
All eight references are to Polish sources.

1/1

JUZWIAKOWA, Jadwiga; KWiatkowska, Janina

Fluorine in water in the Wroclaw Region. Postepy hig.med.dosw.  
17 no.5:579-584 S-0'63

l. Z Dzialu Higieny Komunalnej Wojewodzkiej Stacji Sanitarno-  
Epidemiologicznej we Wroclawiu; dyrektor: dr.S.Przybecki.

JUZWIAKOWA, Jadwiga

The problem of iron in potable water in the Wroclaw Region.  
Postepy hig.med.dosw. 17 no.6:827-829 N-D'63

1. Z Zakladu Higieny AM we Wroclawiu; kierownik: dr. S.Przylecki.

\*

POLAND

Izydor JUZWIAK, Section on Occupational Medicine, Województwo Hygienu-Epidemiologic Station (Dział Higieny Pracy Wojewódzkiej Stacji Sanitarnej Epidemiologicznej), Director (Dyrektor) Dr S. PRZYLECKI, Wrocław.

"A Toxicologic Evaluation of Industrial Establishments in the Wrocław Województwo;"

Warsaw, Postępy Higieny i Medycyny Doświadczalnej, Vol 16, No 5,  
Sep-Oct 1962; pp 877-880.

**Abstract:** There are about 1,000 industrial establishments and about 212,000 workers in the area. Three tables show that of 8,386 air samplings for 8 criteria during 1953-1960, 4,342 contained levels two or more times above the maximum permissible concentration of various noxae; of 2,270 cases of occupational disease reported during these same years, organic solvents were the cause in 236, CS<sub>2</sub> 443, Pb 120, SiO<sub>2</sub> or other Si compounds 1,316; of 11,136 reported cases of mild occupational poisoning from 259 plants, most (2,543) were again cases of silicosis; the rest were caused by 11 other compound classes as tabulated. Three tables.  
--1/1

TOMILOV, A.P.; KAABAK, L.V.; VARSHAVSKIY, S.L.

Electrochemical reduction of nitriles. Khim.prom.  
no.9:562-566 Ag '62. (MIRA 15:9)  
(Nitriles)  
(Reduction, Electrolytic)

TOMILOV, A.P.; KAABAK, L.V.

Cathodic hydrodimerization of esters of  $\alpha, \beta$ -unsaturated acids.  
Zhur. ob. khim. 33 no.3:731-734 Mr '63. (MIRA 16:3)  
(Unsaturated compounds)

(Esters)

(Polymerization)

L 52603-65

EWT(m)/EPF(c)/XIG(m)/EWP(j)/T

Pc-4/rmt

UR/0063/64/009/106/0710/0701

ACCESSION NR: AP5015860

AUTHOR: Karabak, L. V.; Tonilov, A. P.; Vareshavskiy, S. L.

TITLE: Electrochemical synthesis of organoselenium and organotellurium compounds  
and their chemical properties

SOURCE: Vsesoyuznoye khimicheskoye obshchestvo. Zhurnal, v. 9, no. 6, 1964. 70Cl-  
701

TOPIC TAGS: organoselenium compound, organotellurium compound, organic synthetic  
process, electrochemistry

Abstract: The possibility of the electroreduction of selenium to hydro-

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5

Card 1/2

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5"

L 52603-65

ACCESSION NR: APS015860

selenide, ethyl-di-(beta-cyanoethyl) tellurium iodide, di-(beta-cyanoethyl) tellurodibromide, and di-(beta-carboxyethyl) telluride, which had not been described earlier in the literature.

ASSOCIATION: none

SUBMITTED: 28 Nov 63

ENCL: 00

STUR COPIER: OC, DC

NO REF Sov: 001

OTHER: 002

JIFRS

Card 2/2

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5

KAABAK, L.V.; TOMILOV,A.P.; VARSHAVSKIY, S.L.

Electroreduction of unsaturated nitriles. Part 4: Electro-  
reduction of 1-cyano-1, 3-butadiene. Zhur. ob. khim. 34 no.7:  
2107-2111 Jl '64 (MIRA 17:8)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720010-5"

EYDUS, Ya.T.; KAAL, T.A.

Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds. Part II: Effect of the pressure of carbon monoxide on the course of the reaction of carbomethoxylation of isobutylene and isobutyl alcohol. Zhur. ob. khim. 33 no.10:3283-3290 O '63. (MIRA 16:11)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.

EYDUS, Ya.T.; KAAL, T.A.

Synthesis of esters and other derivatives of carboxylic acids by means of acidic catalysis from carbon monoxide, olefins, and acylating compounds. Part 12: Effect of conditions on the carbmethoxylation of 1-pentanol, isobutylene and a mixture of normal butenes. Zhur. ob. khim. 34 no.11:3697-3703 N '64 (MIRA 18:1)

Synthesis of esters and other derivatives of acids by means of acidic catalysis from carbon monoxide, olefins, and acylating compounds. Part 13: Effect of the acceptor of hydride ions and carbon monoxide pressure on the carbmethoxylation of saturated hydrocarbons. Ibid. 3703-3705

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.

KAAL, T.A.; ORDYAN, M.B.; EIDUS, Ya.T.

Synthesis of carboxylic acid derivatives by acid catalysis  
from carbon monoxide, olefins, and acylating compounds. Part  
19: Hydrocarbomethoxylation of C<sub>5</sub>-C<sub>9</sub> olefins with formic  
acid at atmospheric pressure. Zhur. org. khim. 1 no.7:1177-  
1180 Jl '65. (MIRA 18:11)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.

EVYRE, RUDOLF; KARAI, T.A.

Synthesis of esters and other derivatives of malic acid and its analogs under conditions of acid catalysis from carboxylic acids, aldehydes, olefins, and acylating compounds. Part 14: Effect of propylene oxide on the course of carbomethoxylation of butylenes. *Vysokomol. Soedin.*, 1963, v. 5, p. 129-135. (in Russian). Institute of Organic Chemistry, U.S.S.R. Academy of Sciences, Moscow, U.S.S.R.

ORDYAN, M.B.; EYDUS, Ya.T.; KAAL, T.A.

Synthesis of carboxylic acid derivatives under conditions of acid catalysis from carbon-monoxide, olefins, and acylating compounds. Part 20: Carbomethoxylation of saturated hydrocarbons, donors of hydride ions, with the aid of formic acid and methanol.

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.  
Submitted July 8, 1964.

KAAL, Yu.I.  
TALIMEISTER, E.T.; KALLAS, M.V.; KAAL, Yu.I.

Variations in the properties of dysentery bacteria due to  
environmental factors. Zhur.mikrobiol.epid. i immun., supplement  
for 1956:50 '57 (MIRA 11:3)

1. Iz kafedry infektsionnykh bolezney i dermatologii Tartuskogo  
universiteta.  
(SHIGELLA)

KAAMERE, H.; BOHUN, A.

Thermoluminescence and exoelectron emission of KCl phosphors,  
activated by mercurylike ions. Chekhosl fiz zhurnal 14  
no.1:54-62 '64.

1. Physics and Astronomy Institute of the Estonian Academy  
of Sciences, Tartu, Estonia (for Kaamere).
2. Institute of Solid State Physics, Czechoslovak Academy of  
Sciences, Praha 6, Cukrovarnicka 10 (for Bohun).

KOVACS, D. Geza, dr.; KAAN, Miklos, dr.

Comparative surface measurements on natural teeth and on plate  
prostheses. Fogorv. szemle 59 no. 2:42-45 F ' 66.

1. Kozlemeny a Budapesti Orvostudomanyi Egyetem Fogpotlastani  
Klinikajarol (igazgato: Molnar, Laszlo, dr. egyetemi tanar).

COUNTRY	: USSR
CATEGORY	: Soil Science. Soil Genesis and Geography.
ABS. JOUR.	: RZhBiol., No. 3 1959, No. 10659
AUTHOR	: Kast, M.
INST.	: Academy of Sciences, Estonian SSSR
TITLE	: Pitted Soils on the Island of Saaremaa and the Feasibility of Their Afforestation.
ORIG. PUB.	: ENSV teaduste Akad. Toimetised. Biol. Seer, Izv. AN EstSSR. Ser. biol. 1957, 6, No.3, 244-254
ABSTRACT	: Pitted soils are widely distributed in the northern regions of Estonia. These are shallow (about 30 centimeters) soil formations on the eluvium of limestone or on a blanket of Rickhof /?/ moraine. The soils are rich in organic matter and nitrogen. The physical properties of pitted soils are unfavorable for the majority of agricultural crops. High temperature produce a particularly negative influence on the plant growth on these soils. In the warmer months of the growing period, the temperature of the soil surface reaches 50-60°. Methods of

CARD: 1/2

KAAR, E.; KOLLIST, P.; LING, Kh. [Lin, H.]; MAAVARA, V.; MARCUS, N.;  
NIL'SON, A. [Nilson, A.]; PARMASTO, E.; REBANE, Kh. [Rebane, H.];  
SEPP, R.; VALK, U.; VEERMETS, K.; SKVORTSOVA, A., red.;  
TOOMSALU, E., tekhn. red.

[Forestry research in the Estonian S.S.R.] Lesovedstvennye is-  
ledovaniia v Estonskoi SSR. Tartu, 1960. 64 p. (MIRA 15:1)

1. Eesti NSV Teaduste akademia. Zooloogia ja botaanika instituut.  
(Estonia—Forestry research)